



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 09/739,903 Confirmation No. 4948  
Applicant : Sang-Soo LEE et al.  
Filed : December 20, 2000  
Tech Cntr/AU : 2633  
Examiner : Shi K. Li  
Entitled : APPARATUS AND METHOD FOR STIMULATED BRILLOUIN  
SCATTERING SUPPRESSION USING SUPERVISORY  
CHANNEL  
  
Attorney Reference : 123037-05004968  
Customer Number : 43569

**MAIL STOP RCE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Sir:

Pursuant to 37 CFR §1.97 and 1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the following disclosures made herein, which include:

**REFERENCES AND RELEVANCY**

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are any readily available full or partial English translations of any non-English language documents.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited for consideration in the parent application, and, pursuant to 37 CFR 1.98(d), copies of the cited references can be found in the file of the parent application (*U.S. Serial No. , filed* ).
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in the International Search Report issued for the corresponding International application, and copies of the International Search Report and the cited references are attached for the Examiner's consideration.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in a communication from a foreign or international patent office in a counterpart foreign or international application(s), and copies of both the relevant communication and the cited references, where required, are attached for the Examiner's consideration.

### CERTIFICATION

The undersigned certifies that, pursuant to 37 CFR §1.97(e)(1),

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application not more than three months prior to the filing of this Statement.

### RELATED CASES

- ☐ Identified in the attached Appendix are related applications directed to related technical subject matter. Copies of the related applications, where required, are attached for the Examiner's consideration. *The identification of the related U.S. patent applications is not to be construed as a waiver of secrecy for those applications, now or upon issuance of the present application as a patent.*

### BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☐ within three months of the filing date of the application and/or before the mailing date of a first Official Action on the merits, and no fee is required [37 C.F.R. §1.97(b)].
- ☐ with the appropriate certification, and no fee is required [37 C.F.R. §1.97(e)(1)].
- ☐ after the mailing date of the first Official Action on the merits, but prior to the issuance of a Final Official Action or a Notice of Allowance, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(c)].
- ☐ after the mailing date of the Final Official Action or Notice of Allowance, but prior to the payment of the issue fee, the requisite certification under 37 CFR §1.97(e)(1) is made herein, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(d)].
- ☒ with a Request for Continued Examination (RCE), and no fee is required [37 C.F.R. §1.97(b)(4)].

### FEE AUTHORIZATION

- ☒ Authorization is hereby given to charge any deficient fee(s) under 37 CFR §1.16 and §1.17 as necessary to ensure the consideration of this disclosure, or to credit any fee overpayments, to Deposit Account No. 503-121.
- ☐ Authorization is hereby given to charge the requisite fee of \$180 (Fee Code 1806) for submission of this Information Disclosure Statement to Deposit Account No. 503-121.

It is respectfully requested that this information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

Respectfully Submitted,

MAYER BROWN ROWE & MAW LLP

By: 

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Date: December 20, 2005

Attachment(s): PTO Form 1449  
Cited References

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**



Attorney Reference: 123037-05004968

Applicant: Sang-Soo LEE et al.

Application Serial No. 09/739,903

Filing Date: December 20, 2000

Date: December 20, 2005

Page 1 of 1

Examiner: Shi K Lee

Group Art Unit: 2633

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	5,329,396	07/1994			Fishman et al.
	BR	5,851,259	12/1998			Clayton et al.
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

**FOREIGN PATENT DOCUMENTS**

.		Document Number	Date MM/YYYY	Country			Available		Abstract	
							Enclosed	No	Enclosed	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

WR	Horiuchi et al., "Stimulated Brillouin scattering suppression effects induced by cross-phase modulation in high power WDM repeaterless transmission", Electronic Letters, February 19, 1998 pp. 390-391.
XR	Franck et al., "Experimental Verification Of SBS Supression By Duobinary Modulation", Conference Publication No. 448, September 22-25, 1997, pp. 71-74.
YR	Fishman et al., "Degradations Due to Stimulated Brillouin Scattering in Multigigabit Intensity-Modulated Fiber-Optic Systems", Journal of Lightwave Technology, November 1993, pp. 1721-1728.
ZR	Franck et al., "US5917638: Duo-binary signal encoding", Intellectual Property Network, June 29, 1999, pp. 1-2.
AAR	
BBR	

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.